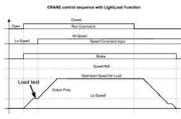
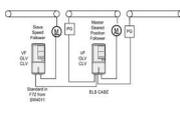
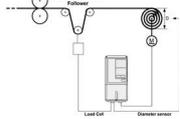
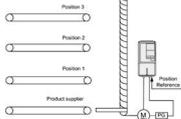
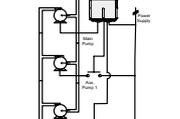
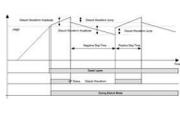


# Selection table

Model	G7	F7	L7
			
<b>Type</b>	World's first three level inverter architecture	The industrial workhorse	Made to drive lifts
400 V three-phase 200 V three-phase 200 V single-phase	0.4 kW to 300 kW 0.4 kW to 110 kW N/A	0.4 kW to 300 kW 0.4 kW to 110 kW N/A	4.0 kW to 55 kW 3.7 kW to 55 kW N/A
<b>Application</b>	High performance, long cable lines	General and high-end applications	Lift control with asynchronous or synchronous motors
<b>Control method</b>	Open and close loop for vector and V/F control.	Open and close loop for vector and V/F control.	Open and close loop for vector and V/F control.
<b>Torque features</b>	150% at 0.0 Hz (CLV) 150% at 0.3 Hz (OLV)	150% at zero speed (CLV) 150% at 0.5 Hz (OLV)	150% at zero speed (CLV) 150% at 0.5 Hz (OLV)
<b>Connectivity</b>	Memobus DeviceNet PROFIBUS-DP CANopen LONWorks Ethernet	Memobus DeviceNet PROFIBUS-DP CANopen LONWorks Ethernet MECHATROLINK-II	Memobus DeviceNet PROFIBUS-DP CANopen LONWorks Ethernet
<b>Customisation options</b>	- PLC option board - Inverter application software	- PLC option board - Inverter application software	- PLC option board - Inverter application software
<b>Page</b>	249	269	289

Model	E7	V7	J7
			
<b>Type</b>	Drive your energy cost down	Sensorless vector control in a pocket sized inverter	Small, simple and smart
400 V three-Phase 200 V three-Phase 200 V single-Phase	0.4 kW to 300 kW 0.4 kW to 110 kW N/A	0.2 kW to 7.5 kW 0.1 kW to 7.5 kW 0.1 kW to 4.0 kW	0.2 kW to 4.0 kW 0.1 kW to 4.0 kW 0.1 kW to 1.5 kW
<b>Application</b>	Pumps and fans (variable torque)	Compact general purpose	Simple speed control
<b>Control method</b>	V/F control	Sensorless vector and V/F control	V/F control
<b>Torque features</b>	120% at 0.5 Hz.	100% at 0.5 Hz.	150% at 3 Hz.
<b>Connectivity</b>	Memobus Metasys N2 L&S Apogee LONWorks DeviceNet PROFIBUS-DP CANopen	Memobus DeviceNet PROFIBUS-DP CANopen MECHATROLINK-II	Memobus
<b>Customisation options</b>	- PLC option board - Inverter application software - IP54 enclosure	- PLC option board - Inverter application software - IP65 enclosure	N/A
<b>Page</b>	309	329	351

Model	G7/F7/L7/E7 inverter PLC	V7 inverter PLC
		
<b>Type</b>	The OMRON PLC embedded into the OMRON-Yaskawa inverter family	The OMRON PLC embedded into V7 inverter
<b>Supported inverter</b>	Varispeed G7 / F7 / L7 / E7	Varispeed V7
<b>I/O's</b>	6 DI, 4DO in PLC board. 256 I/O's by Comopbus/S distributed network.	6 DI, 4DO
<b>Calendar / clock</b>	Yes	Available on RS-422/485 type
<b>Encoder interface</b>	Yes	No
<b>Connectivity</b>	Peripheral port RS-232C RS-422/485 Compubus/S master DeviceNet slave	Peripheral port RS-232C RS-422/485
<b>Software</b>	CX-Programmer CX-One	CX-Programmer CX-One
<b>Page</b>	365	377

Inverter application software						
						
	<b>S-7071</b>	<b>S-8161</b>	<b>S-8180</b>	<b>S-8795</b>	<b>S-8801</b>	<b>S-9381</b>
<b>Type</b>	CRANE software	ELS - electronic line shaft software	Winder software	Point-to-point software	Pump sequencer software	Traverse software
<b>Application</b>	Crane applications	Position and speed follower applications	Winding and unwinding applications	Point-to-point positioning applications	Pump sequencer application up to 2 auxiliary pumps	Textile wire winding application
<b>Supported inverter</b>	Varispeed F7	Varispeed F7	Varispeed F7	Varispeed F7	Varispeed E7	Varispeed V7
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